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The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report - Resins

355 Lexington Avenue
New York, New York 10017
(212) 573-9400

FOR THE MONTH AND PERIOD ENDED JULY, 1984

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y.

1984 ISSUE NO. 7

RELEASE DATE: SEPTEMBER 21, 1984

NOTE TO USERS:

PLEASE USE THE FOLLOWING LEGEND WHEN QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS AS COMPILED BY ERNST & WHINNEY

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The figures published in this report are reflective of the relevant segment of the industry. In accordance with SPI policy and regulations of the Committee on Resin Statistics, figures will not be published which tend to identify, directly or indirectly, a participant's individual data. Any figures withheld to avoid disclosure are identified by the letter "D" at the applicable line or space of the report. A line will be identified by a "D" if one company has more than 65% of that line, or if there are less than four companies reporting on that line.

PART 300/400
NON-PART 400/500

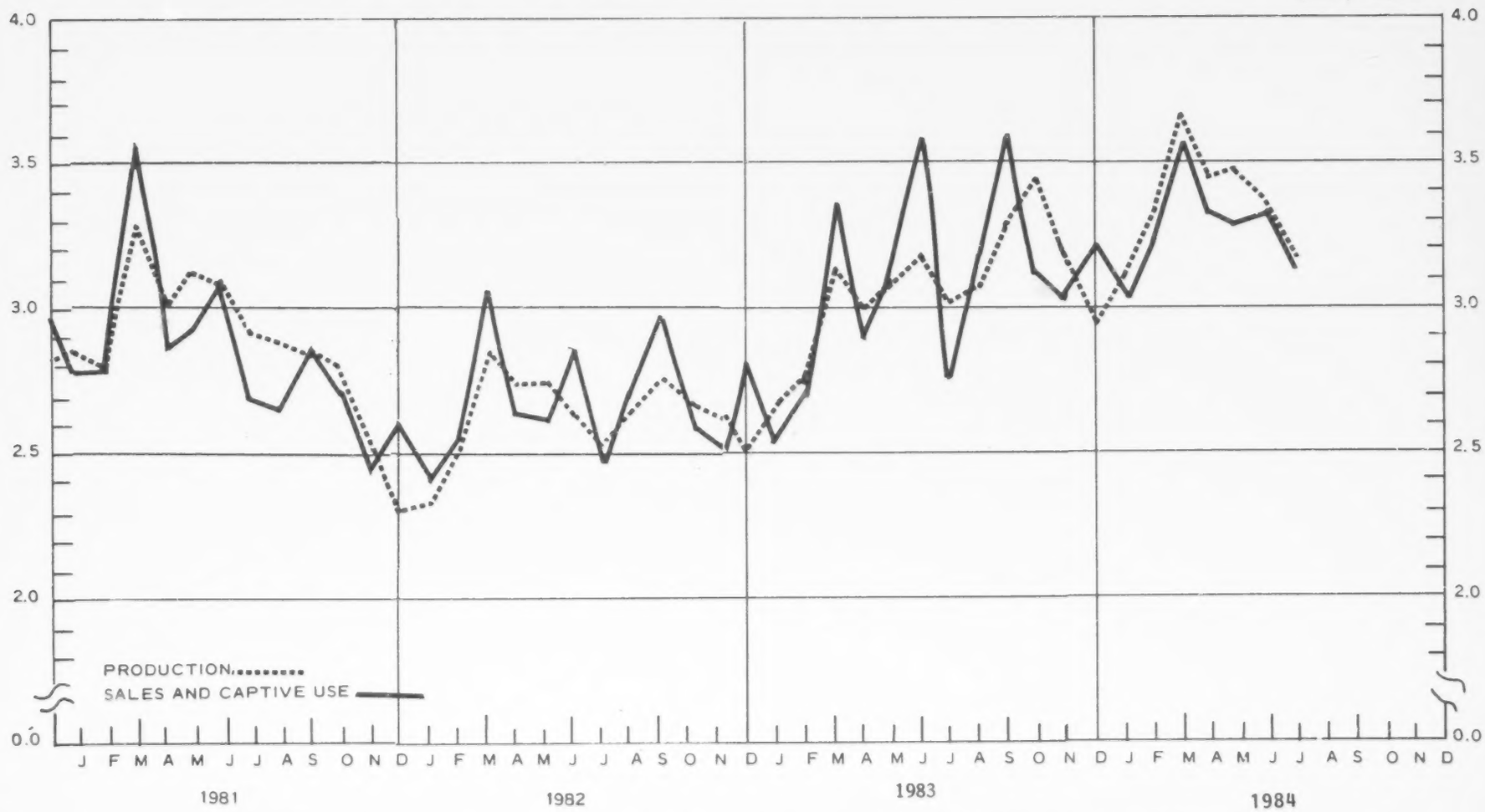
MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(In billion of pounds)

JULY, 1984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PRODUCTION
SALES AND CAPTIVE USE
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COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS).

SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)(1)

CRS

JULY 1984

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	30,164	25,820	+16.8	231,106R	183,985	+25.6	36,601	23,286	+57.2	239,281	196,815	+21.6
POLYESTER (UNSATURATED) RESINS, TOTAL	101,281	81,911	+23.6	738,109R	607,013	+21.6	102,757	86,655	+18.6	746,430R	616,317	+21.1
UREA RESINS, TOTAL	74,807	92,793	-19.4	687,823R	672,777	+2.2	74,226	92,850	-20.1	694,196R	676,386	+2.6
MELAMINE RESINS, TOTAL	17,004	13,627	+24.8	117,777R	101,534	+16.0	15,064	14,449	+4.3	124,364R	103,244	+20.5
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	208,820	210,007	-0.6	1,509,304R	1,423,168	+6.1	200,665	203,809	-1.5	1,493,467R	1,389,707	+7.5
THERMOSETTING RESINS, TOTAL	432,076	424,158	+1.9	3,284,119R	2,988,477	+9.9	429,313	421,049	+2.0	3,297,738R	2,982,469	+10.6
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	676,002	588,903	+14.8	4,676,110R	4,508,523	+3.7	678,286	677,277	+0.1	4,960,894	4,604,883	+7.7
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	483,607	446,264	+8.4	3,354,476R	3,194,178	+5.0	517,146	505,460	+2.3	3,598,068	3,235,128	+11.2
POLYPROPYLENE, TOTAL	379,001	324,652	+16.7	2,766,183	2,466,550	+12.1	409,067	368,891	+10.9	2,894,295	2,493,767	+16.1
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	79,563	79,311	+0.3	659,089	556,670	+18.4	78,367	69,165	+13.3	689,138R	541,992	+27.1
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	6,708	6,930	-3.2	57,005R	51,978	+9.7	7,604	8,615	-11.7	71,815R	53,185	+35.0
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	19,719	15,821	+24.6	145,856	127,948	+14.0	15,211	15,353	-0.9	150,539	123,396	+22.0
POLYSTYRENE, TOTAL	310,104	263,445	+17.7	2,232,058R	2,048,494	+9.0	323,203	283,467	+14.0	2,207,118R	2,001,607	+10.3
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including styrene butadiene latexes not carboxylated (4)	55,596	53,205	+4.5	435,909R	392,661	+11.0	55,559	52,121	+6.6	434,311R	395,929	+9.7
NYLON RESINS, TOTAL	30,612	25,812	+18.6	227,231	178,412	+27.4	30,134	23,450	+28.5	245,437R	169,174	+45.1
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	471,549	436,752	+8.0	3,908,072R	3,694,951	+5.8	443,841	527,596	-15.9	3,931,495R	3,602,343	+9.1
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	55,232	53,067	+4.1	419,133R	398,278	+5.2	* 55,232	* 53,067	+4.1	* 419,133R	* 398,278	+5.2
POLYVINYL ALCOHOL, TOTAL #	11,224	11,146	+0.7	84,934	78,493	+8.2	13,752	14,325	-4.0	88,432	74,380	+18.9
OTHER VINYL RESINS, TOTAL	15,952	13,537	+17.8	109,511R	97,535	+12.3	13,870	13,331	+4.0	110,040R	103,090	+6.7
THERMOPLASTIC POLYESTER, TOTAL	78,688	65,061	+20.9	492,140	431,095	+14.2	83,970	70,869	+18.5	508,541	435,267	+16.8
THERMOPLASTIC RESINS, TOTAL	2,673,557	2,383,906	+12.2	19,567,707R	18,225,766	+7.4	2,725,242	2,682,987	+1.6	20,309,256R	18,232,419	+11.4
GRAND TOTAL	3,105,633	2,808,064	+10.6	22,851,826R	21,214,243	+7.7	3,154,555	3,104,036	+1.6	23,606,994R	21,214,888	+11.3

(1) = Except phenolic resins which are reported on a gross weight basis

(4) = Includes Styrene Butadiene Latexes

\# = Includes imputed data

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

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*These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual production of PVAc is significantly higher than that shown here.

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In metric tons, dry weight basis)(1)

JULY 1984

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	13,682	11,712	+16.8	104,829R	83,455	+25.6	16,602	10,562	+57.2	108,537	89,274	+21.6
POLYESTER (UNSATURATED) RESINS, TOTAL	45,941	37,155	+23.6	334,804R	275,339	+21.6	46,610	39,306	+18.6	338,578R	279,560	+21.1
UREA RESINS, TOTAL	33,932	42,091	-19.4	311,995R	305,170	+2.2	33,669	42,116	-20.1	314,885R	306,807	+2.6
MELAMINE RESINS, TOTAL	7,713	6,181	+24.8	53,423R	46,056	+16.0	6,833	6,555	+4.3	56,412R	46,831	+20.5
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	94,720	95,259	-0.6	684,616R	645,544	+6.1	91,021	92,448	-1.5	677,432R	630,367	+7.5
THERMOSETTING RESINS, TOTAL	195,988	192,398	+1.9	1,489,667R	1,355,564	+9.9	194,735	190,987	+2.0	1,495,846R	1,352,839	+10.6
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	306,632	267,125	+14.8	2,121,070R	2,045,053	+3.7	307,669	307,210	+0.1	2,250,247	2,088,761	+7.7
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	219,363	202,424	+8.4	1,521,580R	1,448,870	+5.0	234,576	229,275	+2.3	1,632,073	1,467,444	+11.2
POLYPROPYLENE, TOTAL	171,914	147,261	+16.7	1,254,732	1,118,820	+12.1	185,552	167,328	+10.9	1,312,844	1,131,165	+16.1
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	36,089	35,975	+0.3	298,961	252,504	+18.4	35,547	31,373	+13.3	312,591R	245,846	+27.1
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	3,042	3,143	-3.2	25,857	23,577	+9.7	3,449	3,908	-11.7	32,575R	24,125	+35.0
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	8,945	7,176	+24.6	66,160	58,037	+14.0	6,900	6,964	-0.9	68,285	55,972	+22.0
POLYSTYRENE, TOTAL	140,662	119,498	+17.7	1,012,455	929,191	+9.0	146,603	128,580	+14.0	1,001,142	907,922	+10.3
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including styrene butadiene latexes not carboxylated (4)	25,218	24,134	+4.5	197,727	178,110	+11.0	25,201	23,642	+6.6	197,002R	179,592	+9.7
NYLON RESINS, TOTAL	13,886	11,708	+18.6	103,071	80,927	+27.4	13,669	10,637	+28.5	111,329R	76,737	+45.1
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	213,893	198,109	+8.0	1,772,690	1,676,019	+5.8	201,326	239,316	-15.9	1,783,314R	1,634,012	+9.1
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	25,053	24,071	+4.1	190,117R	180,658	+5.2	* 25,053	* 24,071	+4.1	* 190,117R	* 180,658	+5.2
POLYVINYL ALCOHOL, TOTAL #	5,091	5,056	+0.7	38,526	35,604	+8.2	6,238	6,498	-4.0	40,112	33,738	+18.9
OTHER VINYL RESINS, TOTAL	7,236	6,140	+17.8	49,674R	44,242	+12.3	6,291	6,047	+4.0	49,914R	46,762	+6.7
THERMOPLASTIC POLYESTER, TOTAL	35,693	29,511	+20.9	223,233	195,542	+14.2	38,088	32,146	+18.5	230,673	197,436	+16.8
THERMOPLASTIC RESINS, TOTAL	1,212,717	1,081,331	+12.2	8,875,853R	8,267,154	+7.4	1,236,162	1,216,995	+1.6	9,212,218R	8,270,170	+11.4
GRAND TOTAL	1,408,705	1,273,729	+10.6	10,365,520R	9,622,718	+7.7	1,430,897	1,407,982	+1.6	10,708,062R	9,623,009	+11.3

(1) = Except phenolic resins which are reported on a gross weight basis

(4) = Includes Styrene Butadiene Latexes

= Includes imputed data

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For the purpose of this table, one metric ton equals 2,204.6 pounds. On a monthly basis, the calculation of metric tons from thousands of pounds may not agree precisely due to rounding.

*These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual production of PVAc is significantly higher than that shown here.

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOSETTING RESINS (In thousands of pounds, dry weight basis) JULY 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	30,164	25,820	+16.8	231,106R	183,985	+25.6	36,601	23,286	+57.2	239,281	196,815	+21.6
Total Exports	3,183	2,526	+26.0	25,292	19,719	+28.3						
Total Domestic	26,981	23,294	+15.8	205,814R	164,266	+25.3						
Bonding & Adhesives	1,643	1,270	+29.4	11,891R	9,316	+27.6						
Flooring, Paving & Exposed Aggregate	1,325	1,345	-1.5	10,554R	10,167	+3.8						
Protective Coatings	11,930	10,675	+11.8	93,021R	73,857	+25.9						
Fiber Reinforced Laminates & Composites, Total	6,844	5,026	+36.2	54,516R	38,343	+42.2						
FRL&C for Printed Wiring Board	4,862	3,899	+24.7	38,838R	27,592	+40.8						
All Other FRL&C	1,982	1,127	+75.9	15,678R	10,751	+45.8						
Tooling, Casting & Molding Resins	2,502	2,094	+19.5	18,833	15,347	+22.7						
All Other Uses	2,737	2,884	-5.1	16,999R	17,236	-1.4						
POLYESTER (UNSATURATED) RESINS, TOTAL	101,781	81,911	+23.6	738,109R	607,013	+21.6	102,757	86,655	+18.6	746,430R	616,317	+21.1
Total Exports	736	900	-18.2	5,015R	6,107	-17.9						
Total Domestic	100,545	81,011	+24.1	733,094R	600,906	+22.0						
General Purpose Resins, Total	90,593	72,292	+25.3	659,535R	536,391	+23.0						
General Purpose – Thixotropic	40,094	35,586	+12.7	300,015R	251,238	+19.4						
General Purpose – Press Molding	14,211	10,372	+37.0	113,164R	75,660	+49.6						
General Purpose – All Other	36,288	26,334	+37.8	246,356R	209,493	+17.6						
Flame Retardant Resins	1,494	1,245	+20.0	12,904	11,156	+15.7						
Chemical Resistant Resins	8,458	7,474	+13.2	60,655R	53,359	+13.7						
Chemical Resistant Isophthalic Resins	5,791	5,188	+11.6	41,947R	36,098	+16.2						
All Other Chemical Resistant Resins	2,667	2,286	+16.7	18,708	17,261	+8.4						
Reinforced Plastics, Total	76,242	62,995	+21.0	564,194R	463,280	+21.8						
Non-Reinforced Plastics, Total	24,303	18,016	+34.9	168,900R	137,626	+22.7						

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SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOSETTING RESINS

(In thousands of pounds, dry weight basis)(1)

JULY 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
UREA RESINS, TOTAL	74,807	92,793	-19.4	687,823R	672,777	+2.2	74,226	92,850	-20.1	694,196R	676,386	+2.6
MELAMINE RESINS, TOTAL	17,004	13,627	+24.8	117,777R	101,534	+16.0	15,064	14,449	+4.3	124,364R	103,244	+20.5
UREA & MELAMINE RESINS, TOTAL	91,811	106,420	-13.7	805,600R	774,311	+4.0	89,290	107,299	-16.8	818,560R	779,630	+5.0
Total Exports	D	D		D	D							
Total Domestic *	91,811	106,420	-13.7	805,600R	774,311	+4.0						
Textile Treating & Coating Resins	D	D		D	D		D	D		D	D	
Paper Treating & Coating Resins	7,801	7,001	+11.4	59,619R	40,493	+47.2	8,377	6,883	+21.7	62,660R	50,044	+25.2
Molding Compounds	D	D		D	D		D	D		D	D	
Bonding & Adhesive Resins for:	63,448	82,574	-23.2	600,980R	584,634	+2.8	62,989	82,426	-23.6	606,548R	590,909	+2.6
Laminating	3,182	3,199	-0.5	25,589	22,844	+12.0	3,322	3,201	+3.8	26,639	22,867	+16.5
Plywood	4,803	4,779	+0.5	33,655R	35,995	-6.5	4,553	4,490	+1.4	34,741R	36,691	-5.3
Fibrous & Granulated Wood (Particle Board)	55,463	74,596	-25.6	541,736R	525,795	+3.0	55,114	74,735	-26.3	545,168R	531,351	+2.6
Protective Coatings (Straight & Modified)	7,349	4,850	+51.5	50,354R	43,319	+16.2	7,049	7,022	+0.4	63,569R	50,576	+25.7
All Other Uses (Includes Textile Treating & Coating Resins, Molding Compounds, and Exports)	13,213	11,995	+10.2	94,647R	105,865	-10.6	10,875	10,968	-0.8	85,783R	88,101	-2.6
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	208,820	210,007	-0.6	1,509,304R	1,423,168	+6.1	200,665	203,809	-1.5	1,493,467R	1,389,707	+7.5
Total Exports	5,760	1,606	+258.7	21,750R	13,781	+57.8						
Total Domestic	203,060	208,401	-2.6	1,487,554R	1,409,387	+5.5						
Molding Compounds	16,439	15,714	+4.6	148,288R	125,876	+17.8	15,029	16,142	-6.9	163,990R	144,537	+13.5
Bonding & Adhesive Resins for:	181,942	188,650	-3.6	1,307,917R	1,255,444	+4.2	180,917	184,057	-1.7	1,296,109R	1,216,934	+6.5
Laminating	11,980	14,245	-15.9	91,710R	95,665	-4.1	10,263	12,220	-16.0	79,467R	79,987	-0.7
Coated & Bonded Abrasives	1,390	1,988	-30.1	14,691R	15,598	-5.8	1,489	1,835	-18.9	14,613R	15,246	-4.2
Friction Materials	2,904	2,098	+38.4	22,244R	17,325	+28.4	2,654	1,912	+38.8	21,909R	17,000	+28.9
Insulation Materials	22,716	26,508	-14.3	194,265R	184,909	+5.1	22,688	25,710	-11.8	191,679R	174,340	+9.9
Foundry & Shell Molding	7,086	5,182	+36.7	46,846R	38,625	+21.3	7,200	5,344	+34.7	48,436R	39,673	+22.1
Plywood	113,656	116,489	-2.4	773,997R	747,955	+3.5	114,492	115,746	-1.1	768,406R	734,739	+4.6
Fibrous & Granulated Wood	15,370	15,926	-3.5	110,216R	109,377	+0.8	15,152	15,012	+0.9	110,333R	106,899	+3.2
Resins Sold to Rubber Industry	2,281	1,677	+36.0	18,454R	14,575	+26.6	1,979	1,837	+7.7	20,815R	15,915	+30.8
All Other	4,559	4,537	+0.5	35,494R	31,415	+13.0	5,000	4,441	+12.6	40,451R	33,135	+22.1
Protective Coatings — Unmodified & Modified	1,764	1,403	+25.7	13,198R	10,740	+22.9	2,326	1,142	+103.7	14,818R	11,031	+34.3
Resins Sold to Rubber Industry, Non-Adhesive Uses #	D	D		D	D		D	D		D	D	
All Other Uses #	2,915	2,634	+10.7	18,151	17,327	+4.8	2,393	2,468	-3.0	18,550	17,205	+7.8

(1) = Except phenolic resins which are reported on a gross weight basis

* = Domestic total includes exports.

= Due to disclosure problem, All Other Uses includes Resins Sold to Rubber Industry, Non-Adhesive Uses.

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SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

CRS

THERMOPLASTIC RESINS

JULY 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	676,002	588,903	+14.8	4,676,110R	4,508,523	+3.7	678,286	677,277	+0.1	4,960,894	4,604,883	+7.7
Total Exports	103,323	82,823	+24.8	493,191R	555,757	-11.3						
Total Domestic	572,679	506,080	+13.2	4,182,919R	3,952,766	+5.8						
Film (12 Mils & Below)	354,362	329,569	+7.5	2,597,062R	2,541,336	+2.2						
Sheet (Over 12 Mils)	D(3)	D(3)		D(3)	D(3)							
Injection Molding	50,900	47,081	+8.1	362,112R	371,544	-2.5						
Wire & Cable	30,201	22,813	+32.4	221,120R	176,335	+25.4						
Extrusion Coating	47,345	40,744	+16.2	378,525	321,052	+17.9						
Blow Molding	4,777	3,385	+41.1	27,614R	23,160	+19.2						
Pipe & Conduit, Total	2,002	1,776	+12.7	17,806R	14,775	+20.5						
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe & Conduit	D	D		D	D							
Other Extruded Products	6,710	8,091	-17.1	46,250R	49,746	-7.0						
All Other Uses	76,382	52,621	+45.2	532,430R	454,818	+17.1						
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	483,607	446,264	+8.4	3,354,476R	3,194,178	+5.0	517,146	505,460	+2.3	3,598,068	3,235,128	+11.2
Total Exports	60,336	104,401	-42.2	392,725	580,054	-32.3						
Total Domestic	423,271	341,863	+23.8	2,961,751R	2,614,124	+13.3						
Film (12 Mils & Below)	29,742	33,320	-10.7	196,257R	216,442	-9.3						
Sheet (Over 12 Mils)	10,871	4,522	+140.4	61,398R	42,146	+45.7						
Injection Molding	100,856	77,367	+30.4	695,897R	656,234	+6.0						
Wire & Cable	9,583	8,276	+15.8	70,499R	64,101	+10.0						
Extrusion Coating	D(2)	D(2)		D(2)	D(2)							
Blow Molding	168,268	134,156	+25.4	1,189,577R	998,928	+19.1						
Pipe & Conduit, Total	35,567	41,785	-14.9	270,817R	260,184	+4.1						
Corrugated Pipe & Conduit	9,572	19,414	-50.7	77,691	111,337	-30.2						
Non-Corrugated Pipe & Conduit	25,995	22,371	+16.2	193,126R	148,847	+29.7						
Other Extruded Products	2,462	2,484	-0.9	23,958	21,713	+10.3						
All Other Uses	65,922	39,953	+65.0	453,348R	354,376	+27.9						

D = Disclosure
(2) = Included in Other Extruded Products
(3) = Included in Film

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SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

JULY 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
POLYPROPYLENE, TOTAL	379,001	324,652	+16.7	2,766,183	2,466,550	+12.1	409,067	368,891	+10.9	2,894,295	2,493,767	+16.1
Total Exports	65,985	70,614	-6.6	402,853	459,081	-12.2						
Total Domestic	313,016	254,038	+23.2	2,363,330	2,007,469	+17.7						
Injection Molding	101,142	86,550	+16.9	787,257	678,433	+16.0						
Appliances	8,695	6,678	+30.2	69,463	52,386	+32.6						
Consumer Products	23,983	20,416	+17.5	178,542	174,340	+2.4						
Rigid Packaging	28,429	23,835	+19.3	209,830R	208,178	+0.8						
Transportation	25,642	22,398	+14.5	195,347	145,543	+34.2						
All Other Injection Molding	14,393	13,223	+8.8	134,075R	97,986	+36.8						
Blow Molding	7,731	6,765	+14.3	60,328	44,862	+34.5						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below)	34,901	27,931	+25.0	236,961	200,969	+17.9						
Sheet (Over 10 Mils)	4,015	1,652	+143.0	31,109	15,058	+106.6						
Extrusion Coating	D	D		D	D							
Wire & Cable	D	D		D	D							
Fiber & Filaments	101,894	80,556	+26.5	776,128	658,487	+17.9						
Pipe & Conduit	D	D		D	D							
Other Extruded Products #	11,610	6,825	+70.1	68,422	61,997	+10.4						
Resellers & Compounders	29,106	29,722	-2.1	295,505R	247,195	+19.5						
All Other Uses	22,617	14,037	+61.1	107,620R	100,468	+7.1						

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= Includes Extrusion Coating, Wire & Cable, Pipe & Conduit

R = Revision

D = Disclosure

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SECTION I
MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

CRS

THERMOPLASTIC RESINS

JULY 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	79,563	79,311	+0.3	659,089	556,670	+18.4	78,367	69,165	+13.3	689,138R	541,992	+27.1
Total Exports												
Total Domestic												
Electrical & Electronic Uses												
Pipe, Conduit & Fittings												
Transportation												
Consumer & Institutional												
All Other Uses												
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	6,708	6,930	-3.2	57,005R	51,978	+9.7	7,604	8,615	-11.7	71,815R	53,185	+35.0
Total Exports	1,127	1,254	-10.1	7,809	5,894	+32.5						
Total Domestic	5,581	5,676	-1.7	49,196R	46,084	+6.8						
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	19,719	15,821	+24.6	145,856	127,948	+14.0	15,211	15,353	-0.9	150,539	123,396	+22.0
Total Export	D	D		D	D							
Total Domestic	19,719	15,821	+24.6	145,856	127,948	+14.0						
Molding & Extrusion	13,962	11,310	+23.4	104,225	92,972	+12.1						
Coatings	5,757	4,511	+27.6	41,631	34,976	+19.0						
POLYSTYRENE RESINS, TOTAL	310,104	263,445	+17.7	2,232,058R	2,048,494	+9.0	323,203	283,467	+14.0	2,207,118R	2,001,607	+10.3
Straight Polystyrene	163,008	135,547	+20.3	1,150,021R	1,056,045	+8.9	164,280	146,852	+11.9	1,138,890R	1,042,533	+9.2
Rubber-Modified Polystyrene	147,096	127,898	+15.0	1,082,037	992,449	+9.0	158,923	136,615	+16.3	1,068,228	959,074	+11.4
Total Exports	8,550	7,426	+15.1	59,451	48,548	+22.5						
Straight Polystyrene	5,985	3,719	+60.9	33,202	24,472	+35.7						
Rubber-Modified Polystyrene	2,565	3,707	-30.8	26,249	24,076	+9.0						
Total Domestic	301,554	256,019	+17.8	2,172,607R	1,999,946	+8.6						
Molding	111,431	111,188	+0.2	844,520	844,719	0.0						
Extrusion	116,426	97,544	+19.4	834,920	698,792	+19.5						
Expandable Polystyrene Beads	42,245	22,065	+91.5	269,643R	256,449	+5.1						
All Other Uses	31,452	25,222	+24.7	223,524	199,986	+11.8						
Polystyrene End Uses, Total**	301,554	256,019	+17.8	2,172,607R	1,999,946	+8.6						
Packaging	76,107	66,292	+14.8	554,997	509,667	+8.9						
Disposables	41,812	38,703	+8.0	313,137	251,672	+24.4						
Consumer and Institutional Products	44,312	45,311	-2.2	317,700	320,554	-0.9						
Electrical/Electronics	24,639	16,345	+50.7	166,691	159,644	+4.4						
Furniture, Furnishings, Building & Construction	15,864	12,407	+27.9	103,175	92,463	+11.6						
Expandable Polystyrene Beads	42,245	22,065	+91.5	269,643R	256,449	+5.1						
All Other End Uses	56,575	54,896	+3.1	447,264	409,497	+9.2						

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**Portions of the End Use Section are estimated.
Exports are included in Domestic, Total and Molding & Extrusion.

SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

JULY 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including butadiene latexes not carboxylated	D	D		D	D		D	D		D	D	
STYRENE BUTADIENE & OTHER STYRENE BASED LATEXES, TOTAL***	55,596	53,205	+4.5	435,909R	392,661	+11.0	55,559	52,121	+6.6	434,311R	395,929	+9.7
Paper Treating	1,331	1,618	-17.7	14,253R	16,785	-15.1						
Textile Treating	1,009	1,190	-15.2	8,792	11,724	-25.0						
Carpet Backing	23,228	20,544	+13.1	184,617R	165,699	+11.4						
All Other Uses (Including Exports & Paper Coating)	30,028	29,853	+0.6	228,247R	198,453	+15.0						
NYLON RESINS, TOTAL	30,612	25,812	+18.6	227,231	178,412	+27.4	30,134	23,450	+28.5	245,437R	169,174	+45.1
Total Exports	2,833	2,569	+10.3	14,422	12,908	+11.7						
Total Domestic	27,779	23,243	+19.5	212,809	165,504	+28.6						
Injection Molding Grade	17,779	15,011	+18.4	142,901	104,690	+36.5						
Extrusion Grade	7,817	6,208	+25.9	54,162	48,416	+11.9						
Resellers and Compounders	1,669	1,628	+2.5	11,862	9,077	+30.7						
All Other Uses	514	396	+29.8	3,884	3,321	+17.0						

***Old disclosure rules apply for Styrene Butadiene section. One company cannot be greater than 50% and no two companies can be greater than 75%. For disclosure rules covering other materials, see the back of the cover of the report.

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS (In thousands of pounds, dry weight basis) JULY 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	471,549	436,752	+8.0	3,908,072R	3,694,951	+5.8	443,841	527,596	-15.9	3,931,495R	3,602,343	+9.1
Homopolymer Resins Including Blending & Latex	424,090	397,425	+6.7	3,517,322R	3,301,475	+6.5	393,434	486,580	-19.1	3,529,959R	3,239,240	+9.0
Copolymer Resins Including Blending & Latex	20,369	16,112	+26.4	167,854R	163,140	+2.9	23,604	14,958	+57.8	171,479R	151,749	+13.0
Dispersion Resins	27,090	23,215	+16.7	222,896R	230,336	-3.2	26,803	26,058	+2.9	230,057R	211,354	+8.8
Total Exports	16,951	32,220	-47.4	190,723R	313,737	-39.2						
Total Domestic	454,598	404,532	+12.4	3,717,349R	3,381,214	+9.9						
Calendering, Total	50,839	35,715	+42.3	401,104R	408,337	-1.8						
Flooring	12,571	8,955	+40.4	96,986R	90,939	+6.6						
Textile	7,857	7,780	+1.0	59,077	59,351	-0.5						
All Other Calendering Uses	30,411	18,980	+60.2	245,041R	258,047	-5.0						
Coating, Total	24,614	22,084	+11.5	204,696R	208,938	-2.0						
Flooring	9,613	8,763	+9.7	76,890R	88,962	-13.6						
Textile & Paper Coating	7,910	7,463	+6.0	68,151R	66,708	+2.2						
Protective Coatings	2,970	2,866	+3.6	25,779R	25,965	-0.7						
Adhesives & All Other Coating Uses	4,121	2,992	+37.7	33,876R	27,303	+24.1						
Extrusion, Total	289,160	281,562	+2.7	2,431,042R	2,134,416	+13.9						
Wire & Cable	25,958	17,143	+51.4	243,736R	198,571	+22.7						
Film & Sheet	21,419	20,855	+2.7	186,211R	178,400	+4.4						
Rigid Pipe & Tubing (Except Fittings)	185,875	204,540	-9.1	1,610,823R	1,433,095	+12.4						
All Other Extrusions	55,908	39,024	+43.3	390,272R	324,350	+20.3						
Molding, Total	34,589	28,332	+22.1	277,063R	241,098	+14.9						
Bottles	15,617	11,471	+36.1	117,105	85,732	+36.6						
Sound Records	5,891	3,686	+59.8	41,577	47,786	-13.0						
Fittings (Rigid Pipe & Tubing)	7,463	8,967	-16.8	70,769R	61,896	+14.3						
All Other Molding	5,618	4,208	+33.5	47,612R	45,684	+4.2						
Paste Processes (Except Coating)	13,980	10,430	+34.0	104,100R	97,898	+6.3						
Plastisol Formulation	8,543	6,600	+29.4	59,350R	56,709	+4.7						
All Other	5,437	3,830	+42.0	44,750R	41,189	+8.6						
Resellers & Compounders	11,618	12,476	-6.9	101,513R	119,045	-14.7						
All Other Uses	29,798	13,933	+113.9	197,831	171,482	+15.4						

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS (In thousands of pounds, dry weight basis) JULY 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	JULY			YEAR-TO-DATE			JULY			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	55,232	53,067	+4.1	419,133R	398,278	+5.2						
Total Exports	275	447	-38.5	2,191	3,928	-44.2						
Total Domestic	54,957	52,620	+4.4	416,942R	394,350	+5.7						
Emulsion Paints	16,534	16,318	+1.3	125,784R	125,166	+0.5						
Adhesives, Caulks and Sealants	22,151	21,616	+2.5	169,169R	157,547	+7.4						
Paper Treating & Paper Coating	8,811	8,453	+4.2	71,436R	65,825	+8.5						
Textile Treating	2,169	2,189	-0.9	14,439	13,185	+9.5						
Non-Woven Binders	2,693	2,369	+13.7	18,635	17,977	+3.7						
All Other Uses	2,599	1,675	+55.2	17,479	14,650	+19.3						
POLYVINYL ALCOHOL, TOTAL #	11,224	11,146	+0.7	84,934	78,493	+8.2	13,752	14,325	-4.0	88,432	74,380	+18.9
Total Exports	1,931	1,926	+0.3	16,531	13,394	+23.4						
Total Domestic	9,293	9,220	+0.8	68,403	65,099	+5.1						
OTHER VINYL RESINS*, TOTAL	15,952	13,537	+17.8	109,511R	97,535	+12.3	13,870	13,331	+4.0	110,040R	103,090	+6.7
Total Exports	3,739	2,798	+33.6	25,469R	21,653	+17.6						
Total Domestic	12,213	10,739	+13.7	84,042R	75,882	+10.8						
*Include only polyvinyl butyral, polyvinyl formal, and polyvinylidene chloride												
THERMOPLASTIC POLYESTER, TOTAL	78,688	65,061	+20.9	492,140	431,095	+14.2	83,970	70,869	+18.5	508,541	435,267	+16.8
Total Exports	9,682	8,440	+14.7	53,749	48,905	+9.9						
Total Domestic	69,006	56,621	+21.9	438,391	382,190	+14.7						
PET Bottle Grades (Carbonated Bottles)	49,445	41,853	+18.1	310,838	285,300	+9.0						
All Other Thermoplastic Polyester**	19,561	14,768	+32.5	127,553	96,890	+31.6						

**Includes All Other PET, Other Bottle Grades, and All Injection Molding Grades

= Includes imputed data

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MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOSETTING & THERMOPLASTIC RESINS

RESIN CODING CLASSIFICATIONS	
EPOXY (UNMODIFIED) RESINS	EPOXY
POLYESTER (UNSATURATED) RESINS	PY
UREA RESINS	UREA
MELAMINE RESINS	MELA
PHENOLIC & OTHER TAR ACID RESINS	PHEN
LOW DENSITY POLYETHYLENE 0.940 & BELOW	LDPE
HIGH-DENSITY POLYETHYLENE ABOVE 0.940	HDPE
POLYPROPYLENE POLYMERS & COPOLYMERS	PP
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS)	ABS
STYRENE-ACRYLONITRILE (SAN)	SAN
POLYSTYRENE RESINS	PS
STYRENE BUTADIENE LATEXES - carboxylated, 45% styrene content and over	SBL
OTHER STYRENE BASED LATEXES - over 50% styrene including styrene butadiene latexes not carboxylated	OTHER SBL
OTHER STYRENE BASED POLYMERS - over 40% styrene and used in molding and extrusion processes	OTHER SBP
NYLON RESINS	NYLON
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT)	PVC
POLYVINYL ACETATE	PVAc
POLYVINYL ALCOHOL	PVOH
OTHER VINYL RESINS	OTHER VINYL
THERMOPLASTIC POLYESTER	TPY

REPORTING CLASSIFICATIONS	
CATEGORY	CODE
Production	P
Domestic Sales	D
Export Sales	E

Above Legends Refer to the Following List of Reporting Companies by Resin Category.

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
ACME RESINS					PDE															
ADVANCE COATINGS		PD																		
A & E PLASTICS											PDE									
AIR PRODUCTS & CHEMICALS																PDE	DE	PDE		
ALLIED CORPORATION							PDE								PDE					
ALPHA CHEMICAL CORPORATION		PDE																		
AMERICAN CYANAMID COMPANY			PDE	PDE																
AMERICAN HOECHST CORP.- PLASTICS DIVISION							PDE				PDE									
AMERICAN HOECHST CORP.- SOU-TEX DIVISION				PD	PD															
AMETEK, HAVEG DIVISION					PD															
AMERICAN SYNTHETIC RUBBER												PD								
AMOCO CHEMICAL CORPORATION							PDE	PDE			PDE									
ANDERSON DEVELOPMENT CO.														PD						
ARCO CHEMICAL								PDE			PDE			PDE						
ASHLAND CHEMICAL COMPANY		PDE			PDE															
AZS CORPORATION		PD																		
BADISCHE CORPORATION															PD					
BASF WYANDOTTE											PD									
BELDING CHEMICAL INDUSTRIES															PD					

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
BENDIX CORPORATION					PD															
BORDEN CHEMICAL COMPANY			PDE	PD	PDE											PDE	D			
BORG-WARNER CHEMICALS, INC.									PDE	PD										
CARGILL, INC.		PD																		
CELANESE CHEMICAL COMPANY																	D			
CELANESE ENGINEERING RESINS	PDE		PD	PD											PDE					PDE
CERTAIN-TEED PRODUCTS CORP.																PD				
CHEMBOND CORPORATION			PD	PD	PDE															
CHEMPLEX COMPANY						PDE	PDE													
CIBA-GEIGY CORP.	PDE																			
COOK PAINT & VARNISH COMPANY		PD																		
COSDEN OIL & CHEMICAL COMPANY											PDE									
CUSTOM RESINS, INC.															PD					
DAN RIVER, INC.			PD																	
DOW CHEMICAL U.S.A.	PDE	PDE				PDE	PDE		PDE	PDE	PDE	PD	PD	PDE					PDE	
E.I. DU PONT DE NEMOURS AND COMPANY						PDE	PDE							PD	PDE			PDE	PDE	PDE
EASTMAN CHEMICAL COMPANY						PDE		PDE												PDE
EL PASO CHEMICAL						PDE		PDE												

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
EXXON CHEMICAL, AMERICAS						PDE	PDE	PDE												
FIRESTONE SYNTHETIC RUBBER & LATEX														PD						
FORMICA CORPORATION				PD	D															
FORMOSA PLASTICS CORPORATION																PD				
FREEMAN CHEMICAL CORPORATION		PD																		
H.B. FULLER COMPANY																	DE			
GAF CORPORATION																				PDE
PLASTICS DEPARTMENT GENERAL ELECTRIC COMPANY																				PDE
GENERAL TIRE & RUBBER												PD	PD			PD				
GEORGIA-PACIFIC CORPORATION			PDE		PDE						PD					PDE				
GLIDDEN COATINGS AND RESINS DIV. OF SCM		PD																		
B.F. GOODRICH CHEMICAL COMPANY										PDE						PDE				
GOODYEAR CHEMICAL DIVISION												PD	PD	PDE		PDE				PDE
DEWEY & ALMY DIVISION W.R. GRACE & COMPANY									PD			PD	PD				D		PDE	
GRIFFTEX CHEMICALS			PD	PD																
GUARDSMAN CHEMICALS, INC.			PD																	

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	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
GULF OIL PRODUCTS COMPANY						PDE	PDE	PDE			PDE									
HERCULES, INC.														PDE						
HIMONT USA, INC.							PDE	PDE												
HOECHST FIBERS INDUSTRIES																				PDE
HUNTSMAN CHEMICAL CORPORATION											PD									
ICI AMERICAS		PDE																		
INMONT CORPORATION		PD			PD															
INTERPLASTIC CORPORATION		PD																		
IRONSIDES RESINS, INC.					PD															
KEYSOR-CENTURY CORPORATION																PD				
KOPPERS COMPANY		PD			PDE															
MAPLECHEM, INC.			PD	PD																
MASONITE CORPORATION					PD															
MOBIL CHEMICAL COMPANY						PDE					PDE									
MONSANTO POLYMER PRODUCTS CO.			PDE	PDE					PDE	PDE	PDE			PDE	PDE		DE	PDE	PDE	
MORTON INDUSTRIES													PD						PDE	

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	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
NATIONAL STARCH & CHEMICALS CORP																	D			
NORTHERN PETROCHEMICAL						PDE		PDE												
NYLON CORP. OF AMERICA															PD					
OCCIDENTAL CHEMICAL CORP					PDE											PDE				
OWENS-CORNING FIBERGLAS		PDE		PD	PD															
PERKINS INDUSTRIES, INC.			PD		PD															
PERSTORP COMPOUNDS, INC			PDE	PD																
PHILLIPS CHEMICAL COMPANY						DE	PDE	PDE						PDE						
PIONEER PLASTICS		PD	PD	PD	PD															
PLASLOK CORPORATION					PD															
PLASTICS ENGINEERING COMPANY					PDE															
PLASTICS MANUFACTURING CO.			PD	PD																
POLYMER APPLICATION, INC.					PD															
POLYREZ COMPANY, INC.					PDE															
POLYSAR LIMITED												PD	PD							
POLYSAR, INC.											PDE									
RAYMARK INDUSTRIES					PD															
REICHHOLD CHEMICALS, INC.	PDE	PDE	PDE	PDE	PDE							PD					D			

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COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
RILSAN CORPORATION															PDE					
ROGERS CORPORATION					PDE															
ROHM AND HAAS COMPANY														PDE			D		PDE	PD
SHAKESPEARE COMPANY															PD					
SHELL CHEMICAL COMPANY	PDE							PDE												
SHERWIN WILLIAMS		PD																		
SHINTECH, INC																PDE				
SILMAR DIV. OF SOHIO CHEM. CO.		PDE																		
SOLTEX POLYMER CORP.							PDE	PDE												
TENNECO POLYMERS, INC.																PDE				
TEXTYRENE PLASTICS											PD									
UNION CARBIDE CORPORATION	PDE				PDE	PDE	PDE										DE			
UNION CHEMICAL												PD					D		PD	
UNIROYAL CHEMICAL					PDE															
U.S. INDUSTRIAL CHEMICAL						PDE	PDE										D			
USS CHEMICAL		PDE						PDE												
VALCHEM DIV. OF UNITED MERCHANTS, INC.			PD																	
VALITE DIVISION OF VALENTINE SUGARS, INC.					PD															
VANLEER CONTAINERS, INC.					PD															

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	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
VISTA POLYMERS																PDE				
VITITEK											PD									
WELLMAN, INC.															PDE					
TOTAL 106	6	19	16	14	28	12	13	12	4	4	15	8	6	10	11	13	12	3	7	8